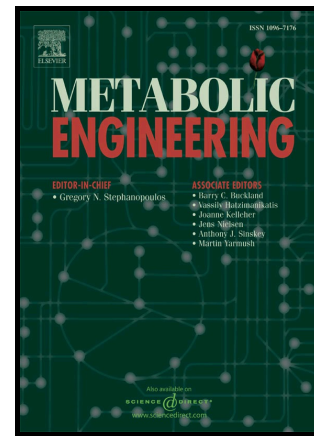


Author's Accepted Manuscript

Systems-based approaches enable identification of gene targets which improve the flavour profile of low-ethanol wine yeast strains

Cristian Varela, Simon A. Schmidt, Anthony R. Borneman, Chi Nam Ignatius Pang, Jens O. Krömerx, Alamgir Khan, Xiaomin Song, Mark P. Hodson, Mark Solomon, Christine M. Mayr, Wade Hines, Isak S. Pretorius, Mark S. Baker, Ute Roessner, Meagan Mercurio, Paul A. Henschke, Marc R. Wilkins, Paul J. Chambers



www.elsevier.com/locate/ymben

PII: S1096-7176(18)30174-5
DOI: <https://doi.org/10.1016/j.ymben.2018.08.006>
Reference: YMBEN1454

To appear in: *Metabolic Engineering*

Received date: 26 April 2018
Revised date: 13 July 2018
Accepted date: 17 August 2018

Cite this article as: Cristian Varela, Simon A. Schmidt, Anthony R. Borneman, Chi Nam Ignatius Pang, Jens O. Krömerx, Alamgir Khan, Xiaomin Song, Mark P. Hodson, Mark Solomon, Christine M. Mayr, Wade Hines, Isak S. Pretorius, Mark S. Baker, Ute Roessner, Meagan Mercurio, Paul A. Henschke, Marc R. Wilkins and Paul J. Chambers, Systems-based approaches enable identification of gene targets which improve the flavour profile of low-ethanol wine yeast strains, *Metabolic Engineering*, <https://doi.org/10.1016/j.ymben.2018.08.006>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Systems-based approaches enable identification of gene targets which improve the flavour profile of low-ethanol wine yeast strains

Cristian Varela^{1#}, Simon A. Schmidt¹, Anthony R. Borneman¹, Chi Nam Ignatius Pang², Jens O. Krömer^{3,4}, Alamgir Khan⁵, Xiaomin Song⁵, Mark P. Hodson^{3,6,7}, Mark Solomon¹, Christine M. Mayr^{1,8}, Wade Hines¹, Isak S. Pretorius⁹, Mark S. Baker¹⁰, Ute Roessner¹¹, Meagan Mercurio^{1,12}, Paul A. Henschke^{1,13}, Marc R. Wilkins², Paul J. Chambers¹.

¹The Australian Wine Research Institute, PO Box 197, Glen Osmond, Adelaide, SA 5064, Australia.

²School of Biotechnology and Biomolecular Sciences, The University of New South Wales, NSW, Australia.

³Metabolomics Australia (Queensland Node), Australian Institute for Bioengineering and Nanotechnology (AIBN), University of Queensland, St Lucia, QLD 4072, Australia.

⁴Current address: Centre for Environmental Research, Leipzig, Germany.

⁵Australian Proteome Analysis Facility (APAF), Level 4, Building F7B, Research Park Drive, Macquarie University, Sydney, NSW 2109, Australia.

⁶School of Pharmacy, University of Queensland, St Lucia, QLD 4072, Australia

⁷Current Address: Victor Chang Cardiac Research Institute, Lowy Packer Building, 405 Liverpool St, Darlinghurst, NSW 2010, Australia

⁸Current address: Department of Agronomy, Food, Natural Resources, Animals and Environment (DAFNE), University of Padova, Legnaro (PD), Italy.

⁹Chancellery, Macquarie University, Sydney, NSW 2109, Australia.

¹⁰Biomedical Sciences, Faculty of Medicine and Health Sciences, Macquarie University, Sydney, NSW 2109, Australia.

¹¹Metabolomics Australia, School of Biosciences, University of Melbourne, VIC 3010, Australia

Download English Version:

<https://daneshyari.com/en/article/10999838>

Download Persian Version:

<https://daneshyari.com/article/10999838>

[Daneshyari.com](https://daneshyari.com)